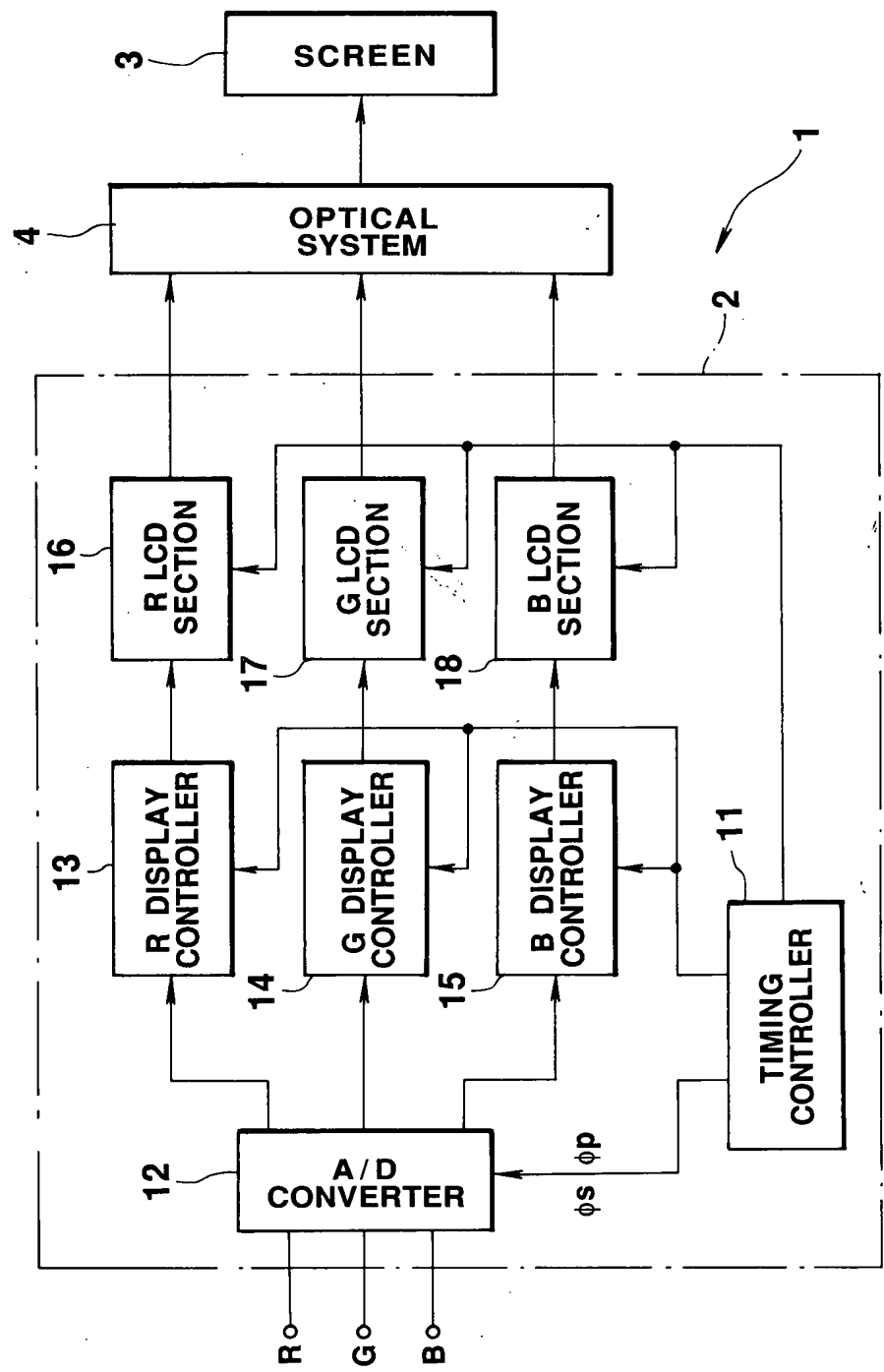


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**FIG. 1**

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O.G. FIG.	
APPROVED	BY CLASS SUBCLASS
DRAFTSMAN	

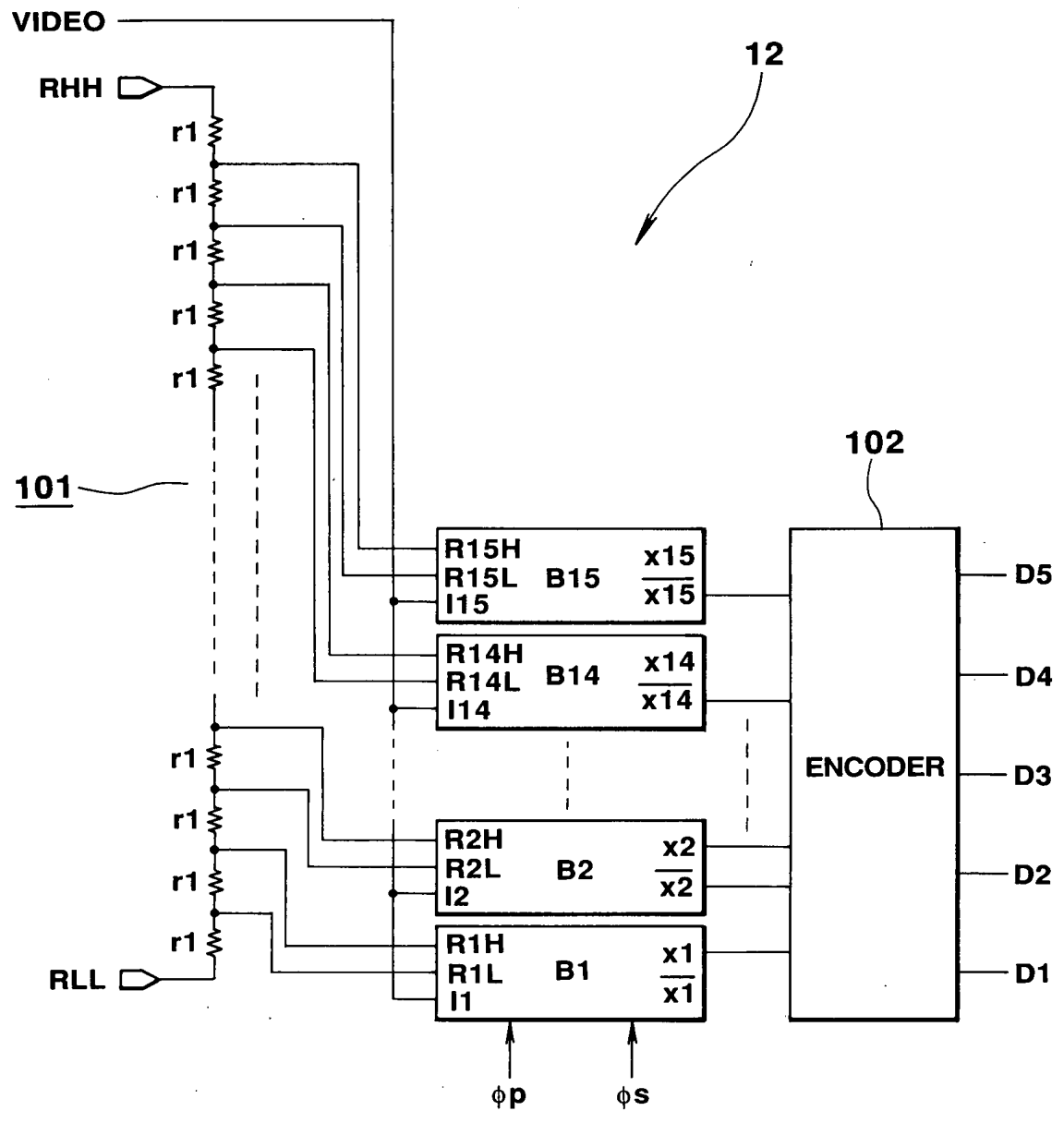
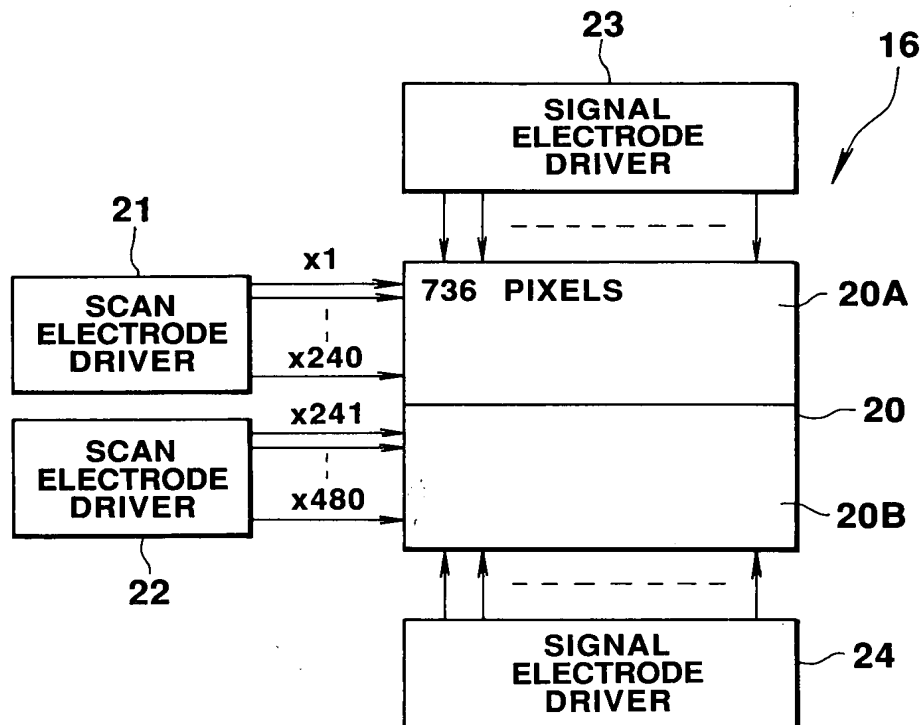


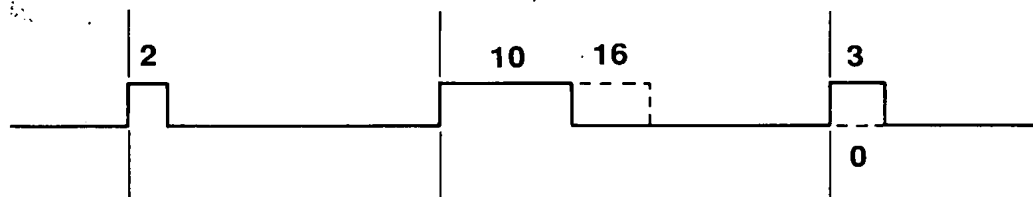
FIG. 2

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O.G. FIG.	
APPROVED	BY
CLASS	SUBCLASS
DRAFTSMAN	



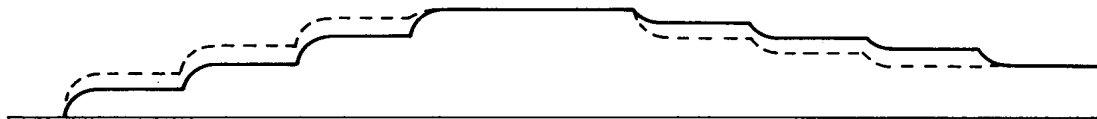
**FIG. 3**



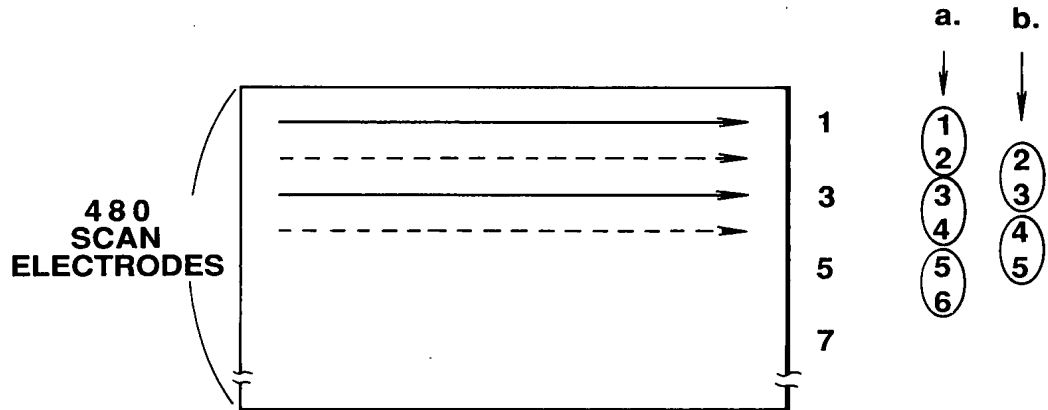
**FIG. 4**

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O.G. FIG.	
APPROVED BY	CLASS SUBCLASS
DRAFTSMAN	



**FIG. 5**



**FIG. 7**

7/839784

APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			

**FIG. 6A**

**FIG. 6B**

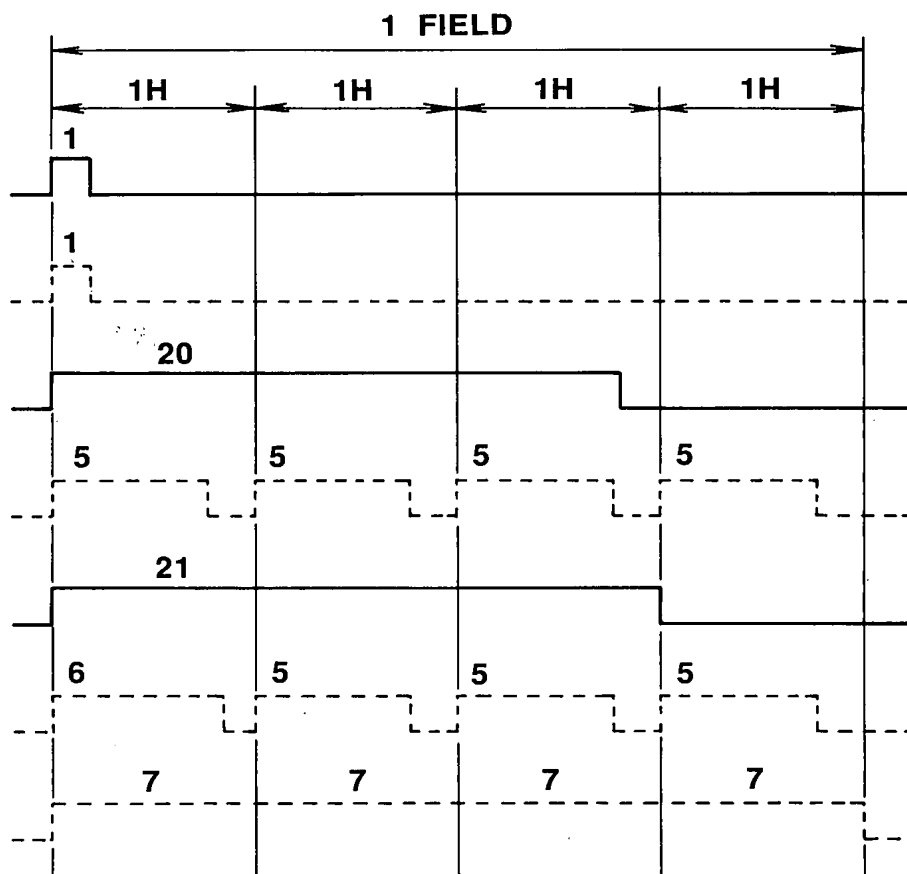
**FIG. 6C**

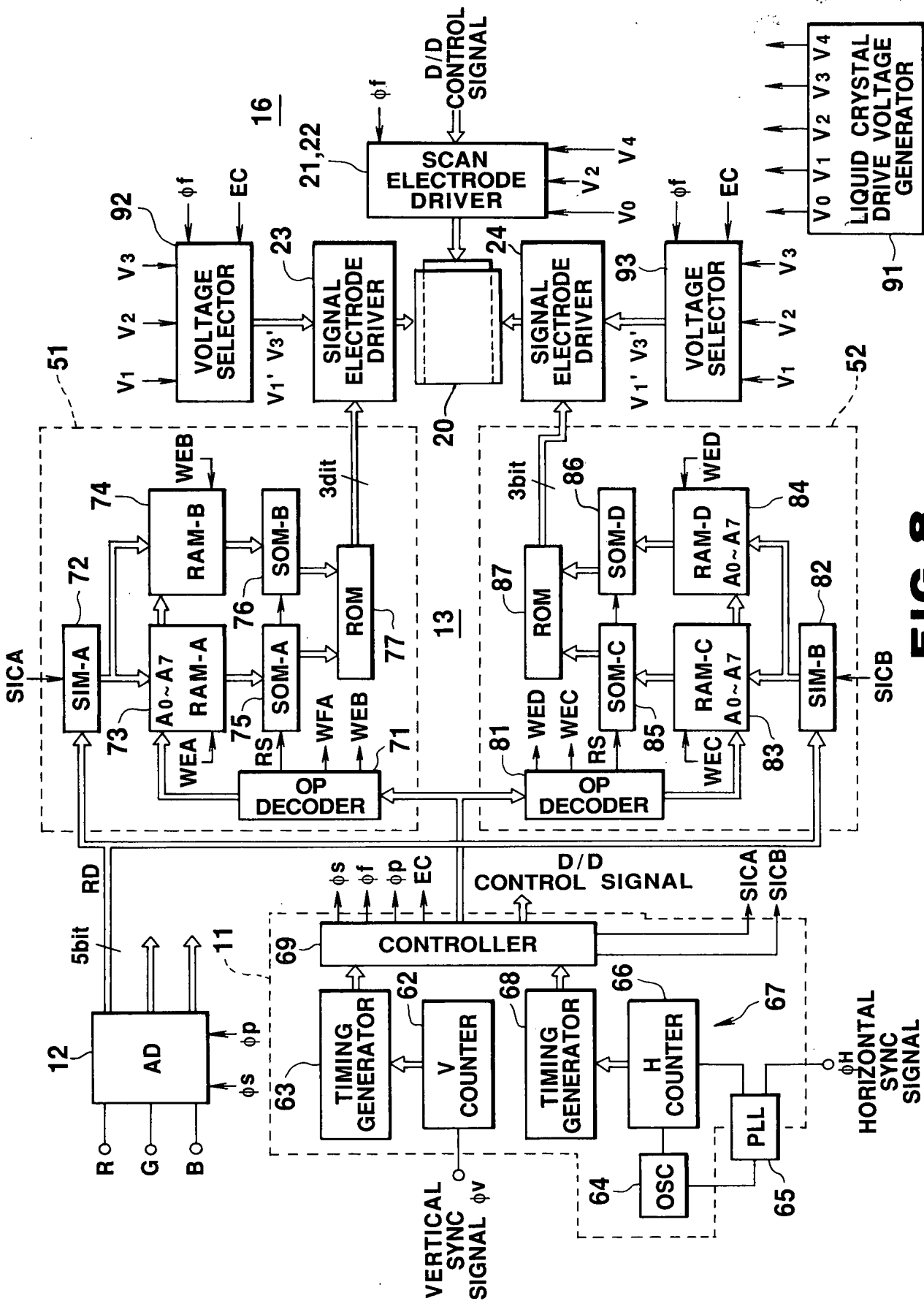
**FIG. 6D**

**FIG. 6E**

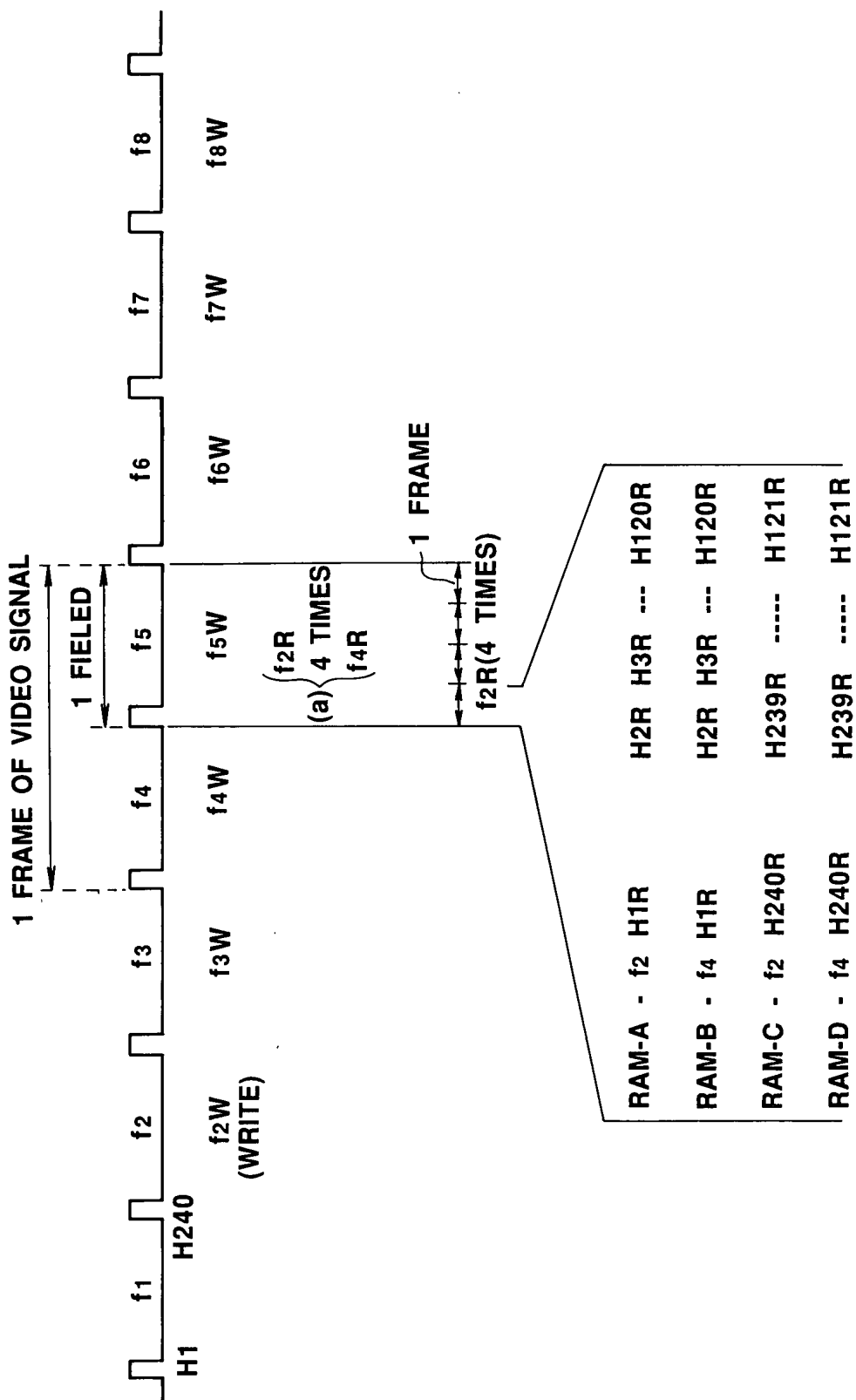
**FIG. 6F**

**FIG. 6G**



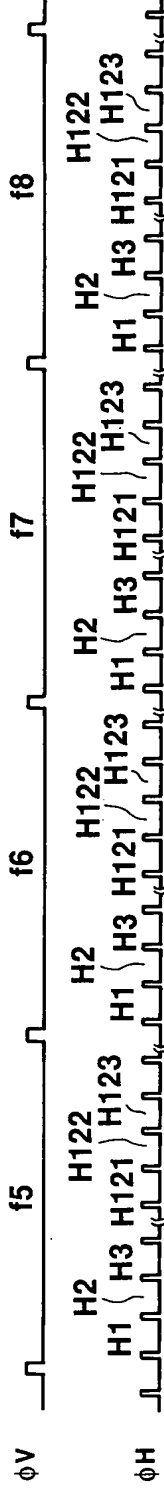


**FIG. 8**



**FIG.12**

**FIG.13A**



**FIG.13B**

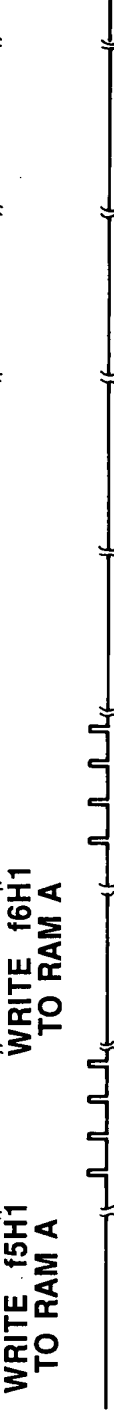
**FIG.13C** SIC A



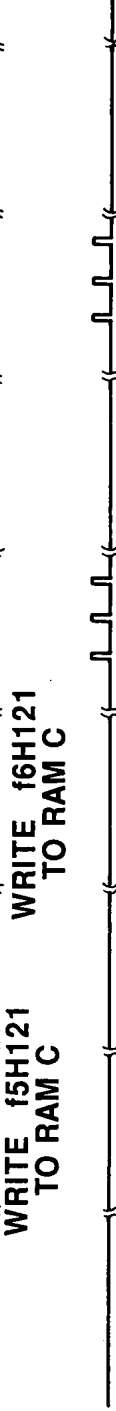
**FIG.13D** SIC B



**FIG.13E** WEA



**FIG.13F** WEC



**FIG.13G** WEB

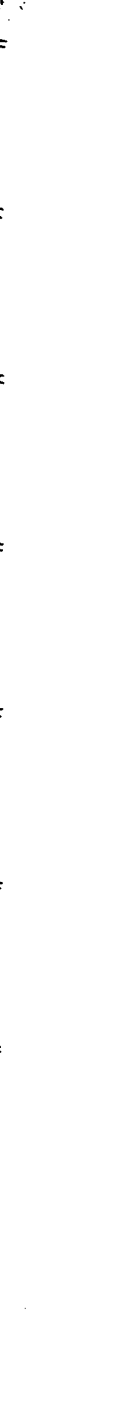


**FIG.13H** WED



**FIG.13I** RS

**FIG.13J** SOC





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
BRATTMAN		

ROM TABLE 100

CURRENT TIME / PREVIOUS TIME	0	1	2	3	.....	15	.....	31
0	0000	2000	3010	4110		7777		7777
1	0000	1000	2010	3110		7777		7777
2	0000	0000	1010	2110		7777		7777
3	0000	0000	0010	1110		7777		7777
.								
.								
.								
15	0000	0000	0000	0000		4443		7777
.								
.								
.								
31	0003	0000	0000	0000		0000		7777

FIG. 9

W/36744

O.G. FIG.	
APPROVED	BY
CLASS	SUBCLASS
DRAFTSMAN	

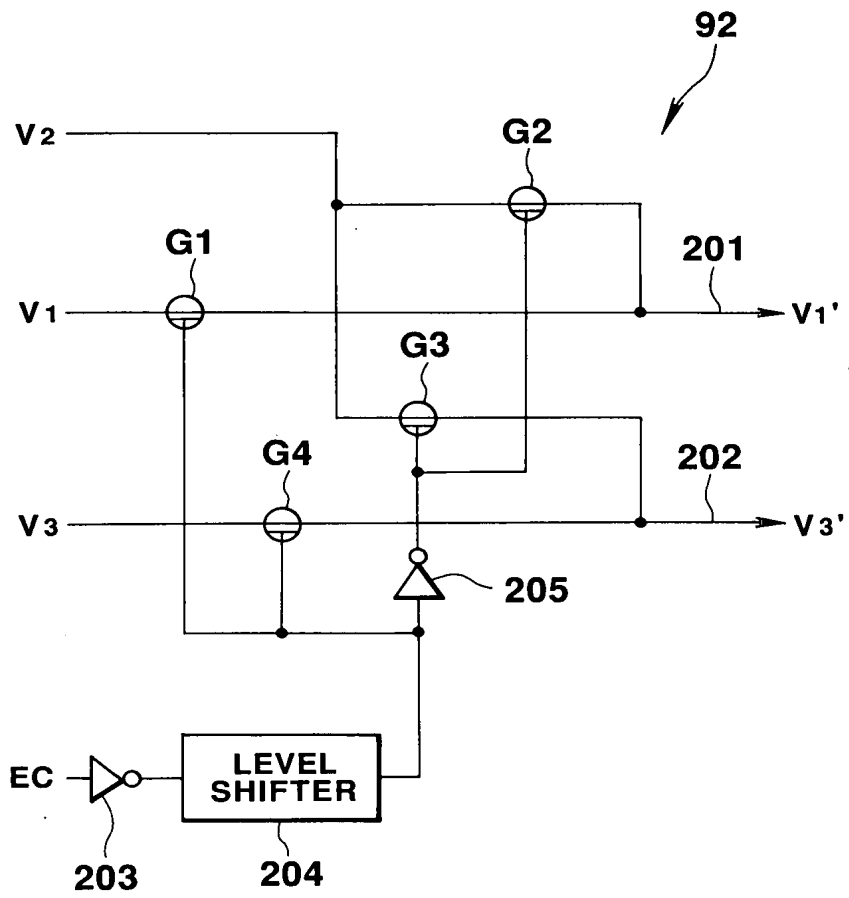


FIG. 10

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

$\phi f$	SCAN ELECTRODE DRIVE SIGNAL $X_n$			SIGNAL ELECTRODE DRIVE SIGNAL $Y_n$		
	SELECTED STATE	NON- SELECTED STATE	ZERO BIAS EC"H"	SELECTED STATE	NON- SELECTED STATE	ZERO BIAS EC"H"
POSITIVE	$V_0$	$V_2$	$V_2$	$V_3$	$V_1$	$V_2$
INVERTED	$V_4$	$V_2$	$V_2$	$V_1$	$V_3$	$V_2$

**FIG.11**

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APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

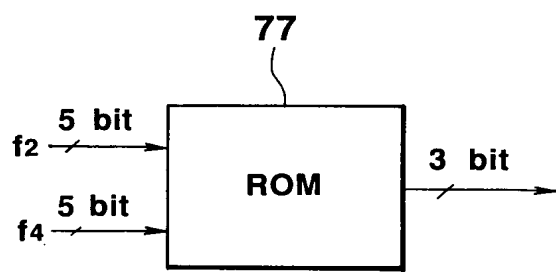


FIG.14

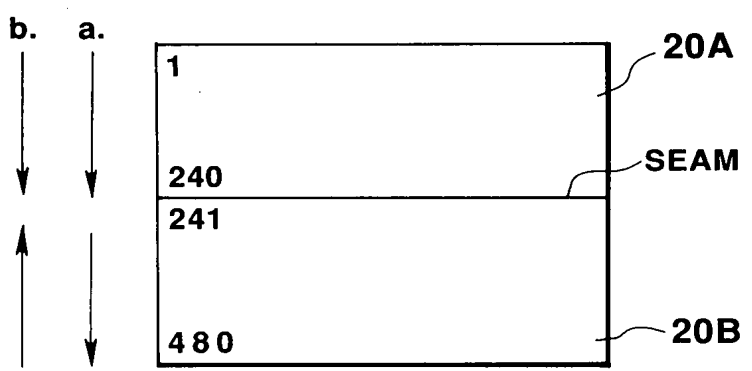
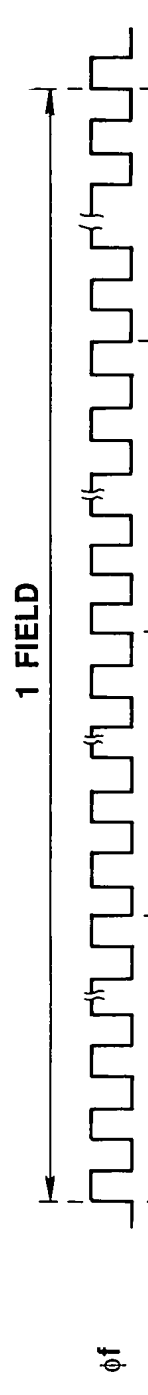


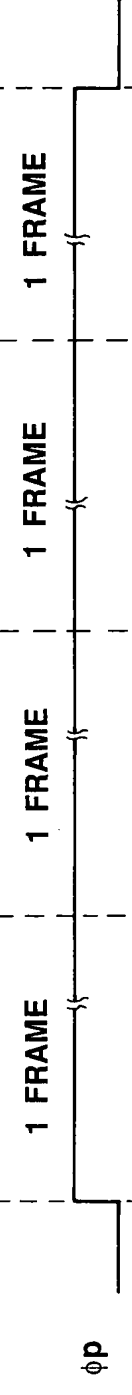
FIG.15



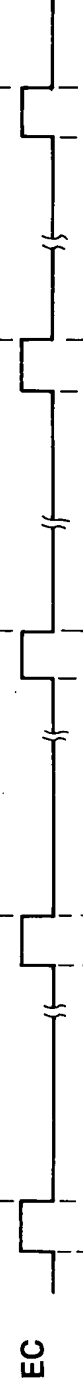
**FIG.17A**



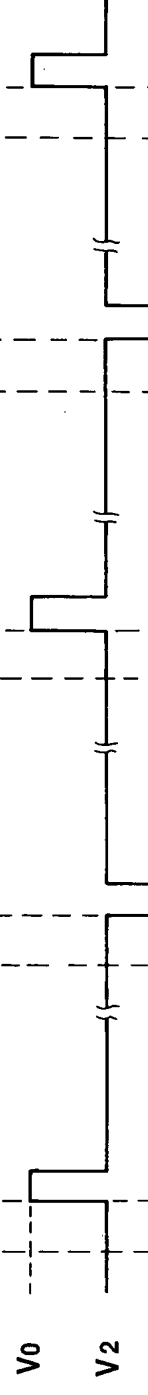
**FIG.17B**



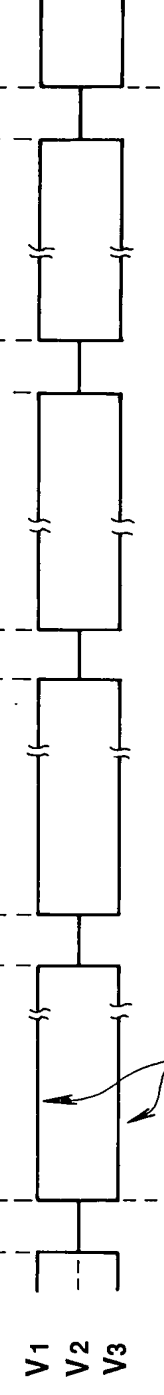
**FIG.17C**

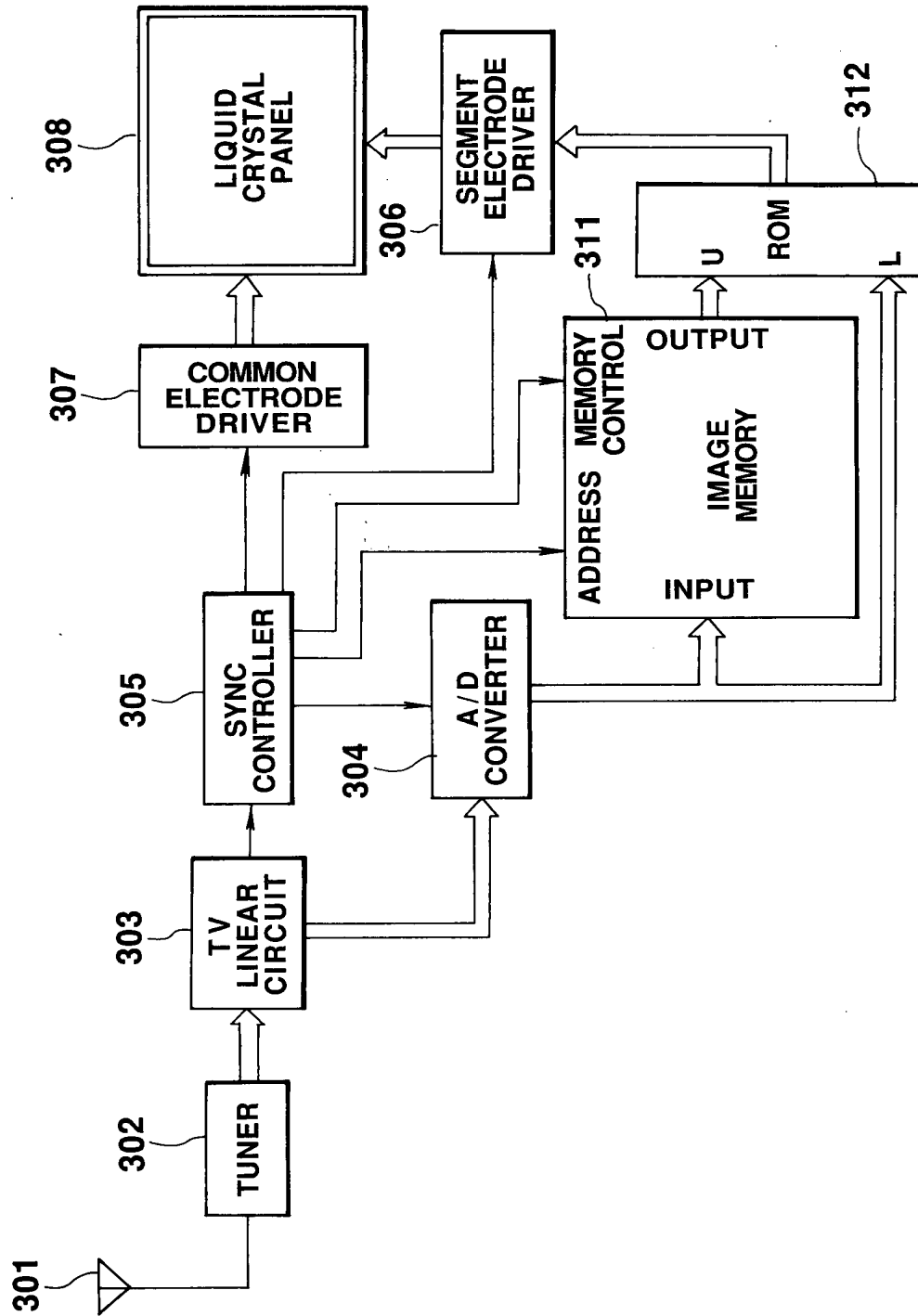


**FIG.17D**



**FIG.17E**





**FIG.18**

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APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

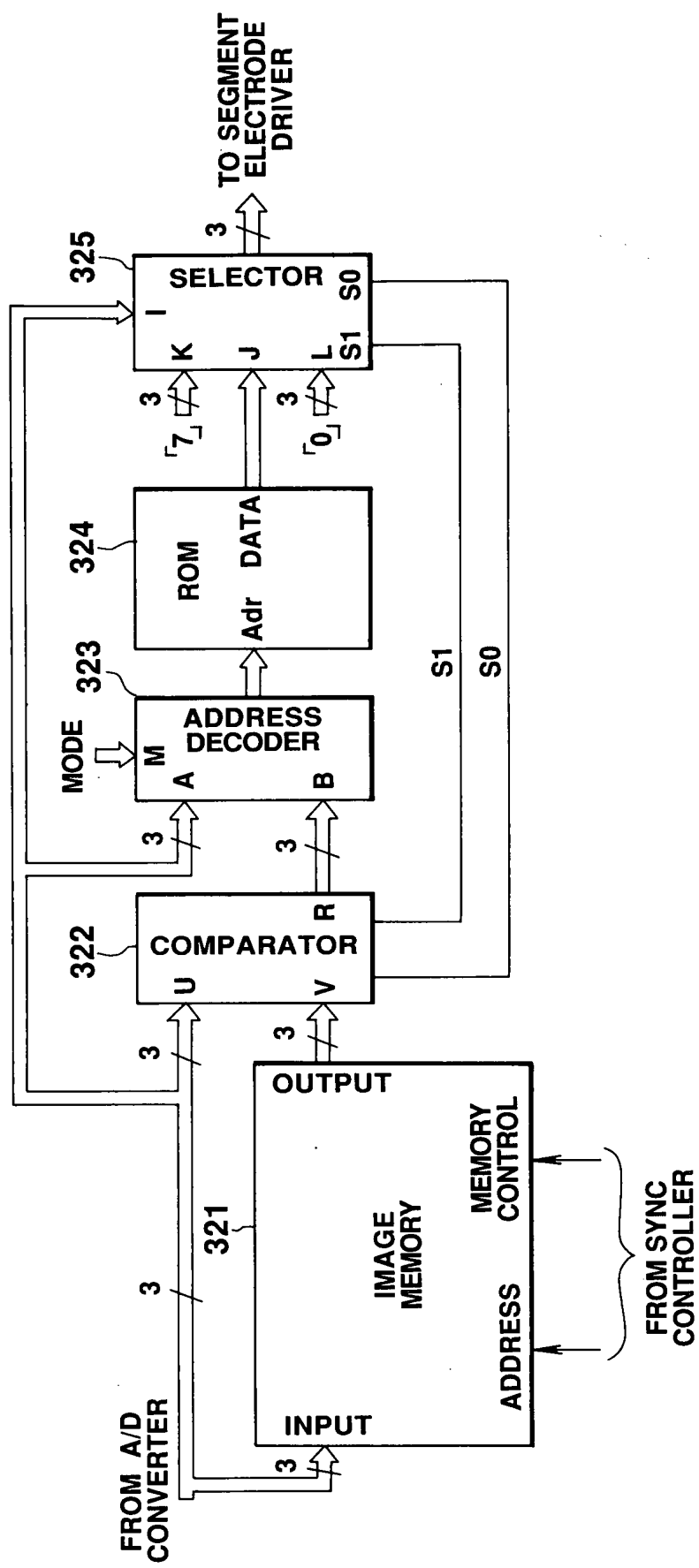
			LOWER ADDRESSES									
			A2	0	0	0	0	1	1	1	1	
			A1	0	0	1	1	0	0	1	1	
			A0	0	1	0	1	0	1	0	1	
UPPER ADDRESSES	A5	A4	A3									
	0	0	0	0	2	4	5	6	7	7	7	
	0	0	1	0	1	3	4	6	7	7	7	
	0	1	0	0	0	2	4	5	7	7	7	
	0	1	1	0	0	1	3	5	7	7	7	
	1	0	0	0	0	1	2	4	6	7	7	
	1	0	1	0	0	0	2	3	5	7	7	
	1	1	0	0	0	0	1	2	4	6	7	
	1	1	1	0	0	0	0	1	3	5	7	

FIG.19

FRAME	0	1	2	3	4	5	6	7	8	9
IMAGE DATA FROM A/D	0	→ 4	→ 7	→ 5	→ 1	→ 3	→ 4	→ 0	→ 7	→ 6
IMAGE DATA FROM ROM	*	→ 6	→ 7	→ 3	→ 0	→ 4	→ 5	→ 0	→ 7	→ 5

FIG.20





**FIG. 21**

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APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

U - V	S1	S0	R
4 OR GREATER	1	0	*
1 ~ 3	0	1	U - V
0	0	0	*
- 3 ~ - 1	0	1	U - V
-4 OR LOWER	1	1	*

0:LOW LEVEL  
1:HIGH LEVEL  
\*:UNDETERMINED

FIG.22

S1	S0	P OUTPUT
0	0	I
0	1	J
1	0	K
1	1	L

FIG.23

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

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**CURRENT GRAY SCALE (A)**

**GRAY SCALE  
DIFFERENCE  
(B)**

0	1	2	3	4	5	6
+3			5	6	7	7
+2		3	5	6	7	7
+1	1	2	5	6	6	7
- 1	0	1	2	3	4	5
- 2	0	1	1	2	3	
- 3	0	0	1	1		

**FIG.24**